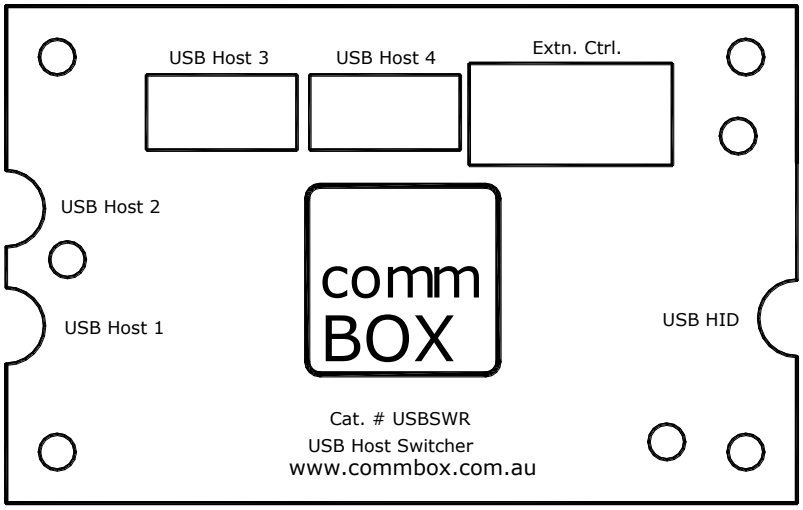
Control

Simplifying technology



User Manual

USB Host Switcher

Part #USBSWR
Rev: 1.0.1

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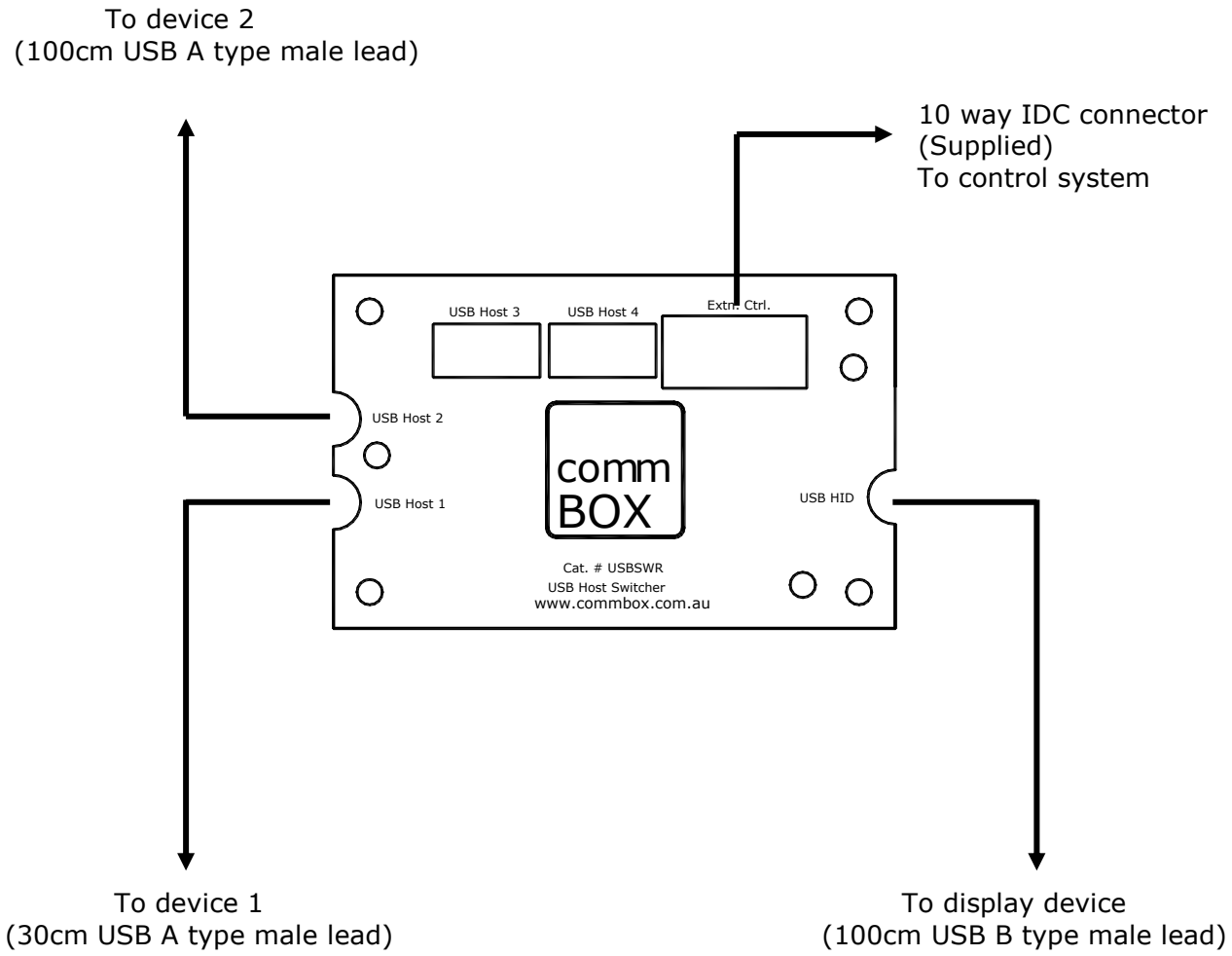
Introduction

The CommBox USB Host switcher has been design to be used with the CommBox Control Panel which is part of the accessories used on the CommBox Interactive Touchscreens and the Joey range of controllers.

While this was its primary use it can be used as a stand-alone device in certain scenarios with other third party control systems such as Crestron or AMX.



USB Host 3 and 4 are A type male sockets for additional devices if required. Leads for these USB inputs are not provided.

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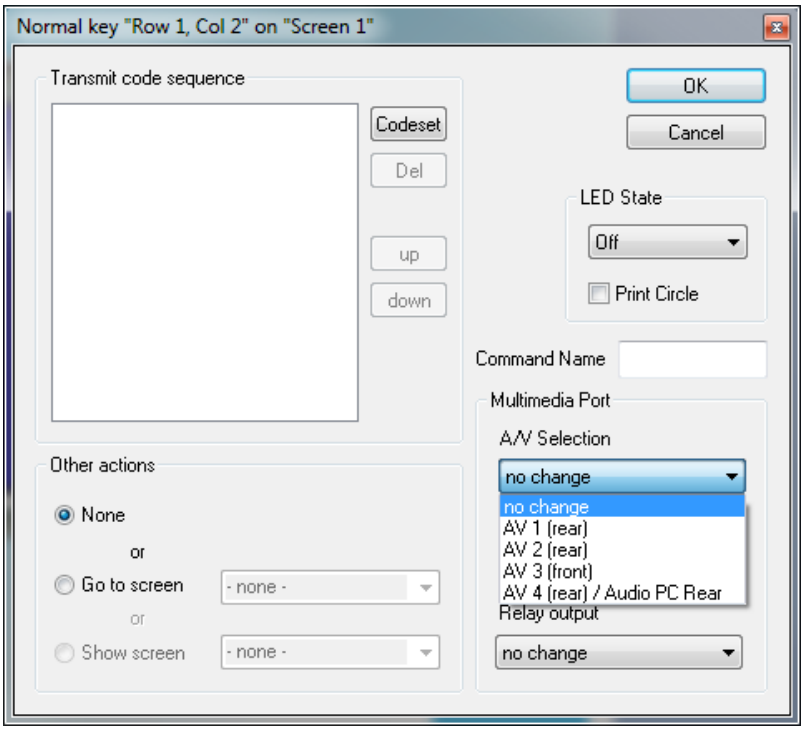
CommBox Joey Integration

The 10 way IDC ribbon cable connects directly to the Multimedia Port connector on the Joey range and to the Ext. Control connector on the USB Host switcher. The same Ext. Control connector can also be found on the CommBox control processor range which includes the Smart Room Controller and the DaVinci Sat Box.

In the Joey editor, the built-in support for the Multimedia Port also supports the USB switcher.

In the Joey Editor software, when you add control codes to a particular button the dialog box below appears. Under the A/V selection drop box, the AV1 - 4 represents each of the USB host on the USB switcher. Simply select the correct AV number for the device being selected. For example, if the Guest Laptop input was connected to USB Host 2 then AV2 would be chosen for that particular input selection button.

Please refer to the Joey range of Controllers own User Manual for information on programming.



Third Party Integration

The USB switcher is powered from the USB host(s) to which it is connected.
Control is via the 10 way IDC ribbon header.

Your 3rd part controller needs two active low or TTL level outputs – the USB switcher will pull them high to 3.3 volts via 20k ohms. To select hosts 2, 3 or 4, pull the lines low according to the truth table below.

Connections and control truth table

	Host 1	**Host 2**	**Host 3**	**Host 4**
Pin 5	H	L	H	L
Pin 6	H	H	L	L
Pin 9	GND	GND	GND	GND

(Trace is Pin 1)